REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8

SBRNO-223/15-16
30-1-16
1st and final Bill

M. A. R. 57 (Rule 116) Measurement Book No. B

BR-265
01-02-16

Serial No. 260945

Name of Work Loop and Asphalting to Canara Bagle layout Cross

Name of Contractor of nature of Agency B.B. Umesh - Contractor Roads in Ward No. 09

Date of commencement of work D.O. Receipt - 30-01-2016

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Estimated cost : Rs 10.00 Lakhs Work order no : EE/BTP/BBMP/E-pmt/10 (16516) 20/37-1/14-15 Dt. 24.03.15 MB. No : 609-14-00005 3 (Additional PSD - 2013-14)						
1	Earth work Excavation by manual man in hard soil, involving an average horizontal throw upto 2 mts and an average lift upto 0.300 m, Excavated surface levelled and sides neatly dressed, dry						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	disposed Earth to be levelled neatly after breaking of clods etc complete as per specifications and direction of Engineer-in-charge of work						
	Qty vide this M.B. p. 260/84						
	Item (1)		266.334				28188=37
	@ 105.84/m						
	2) Removing B.S. & Kerb stone drain and stacking etc complete as per specifications and directions of Engineer-in-charge of the work						

Serial No. .....
Name of Work .....
Name of Contractor of nature o
Date of commencement of work

Date	Full description, etc,
1	2
	(3) Refixing cm (1:3) directions
	(4) Scraping

Dimensions			Contents	Reference to last Measurement
ength 4	Breadth 5	Depth 6	7	8
ted neatly after breakup per specification and in charge of work				
nade this MB p. 260984				
Item ① = 266.33 m³ @ 105.84/m³				28188=37
of drain and stacking ecifications and directi of the Work				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260946

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		Qty as per this MB p. 260985					25019.28
		Item ② = 429.00 m² @ 58.32/m²					
	③ Refixing stone slabs of drain and paving in cm (1:3) etc complete as per specifications and directions of Engineer-in-charge of work	Qty as per Item ② = 429 m²				@ 75.60/m²	32432.40
	④ Reconsolidating stone metal crust soling to 100mm thick						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	With pick axes along with premix carpet surface dressing and stacking old serviceable materials within a lead of 1/4 km by manual means including costs of all labour charges etc complete as per specification and directions of Engineer-in-charge (work						
	Qty vide this MB p.no: 26986						
	Item no. (3) :					1317.50 m2	
						@ 46.44 /-	70,608-30
5)	Providing, laying, spreading and compacting graded stone aggregate to					Wet mix Macadam	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Specifications incl
	With water at O
	carriage of mate
	in uniform layers
	course on well p
	With Vibratory Ro
	etc complete as pe
	Engineer-in-charge

ENT BOOK

Dimensions			Contents	Reference to last Measurement
th	Breadth 5	Depth 6	7	8
			...ce Carpet surface ... detectable metals ... manual means ... clude ... complete as per ... ...ngineer-in-charge ... work.	
			...ty wide this MB p.no: 26986	
			Total - (3) = 1397.50 sq.m @ 46.44 /- = 79,008.30	
			... and compacting ... to wet mix Macadam	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260947

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc. of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Specifications including premixing the material with water at one in mechanical mix plant carriage of mixed material by tipper to site, laying in uniform layers with power in sub-base/base course on well prepared surface and compacting with Vibratory Roller to achieve the desired density etc complete as per specifications and directions of Engineer-in-charge of the work. Qty vide this MB						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		P.No. 260987					
			= 226.13			@ 1500/-	3,39,195.00
	(b) Cleaning the Existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small pickaxes, sweeping with brooms or rough brushes and finally dusting with old gunny bags and/or compressed air to receive tack bituminous treatment including costs of all material, labour, hire of machineries, curing etc complete as per Specifications						

Serial No. .....
Name of Work .....
Name of Contractor of natur
Date of commencement of w

Date	Full description, e
1	2
	and dire
	(a) 6m CRC
	Carpe
	(0.00

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
p. 260987			Nos (4)	
= 226.13			m^3 @ 1500/m^3	3,39,195.00
13m Road			duffe including	
tings and other foreign				
ns and small pieces,				
ry or soft bushes and				
old gunny bags and/or				
ecemented bituminous treated				
material, labour, tools of				
e complete as per Specifications				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260948

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	and directions of Engineer-in-charge Work						
	(a) 6m CROSS-Road Carpet Base Layer (0.00 to 170.50)						
		1	30.50	$\frac{8.0+5.0}{2}$	-	195.00	
		1	30.50	$\frac{5.0+4.8}{2}$	-	148.50	
		1	30.50	$\frac{4.9+5.2}{2}$	-	151.50	
		1	30.50	$\frac{5.2+4.8}{2}$	-	151.50	
		1	30.50	$\frac{4.9+4.9}{2}$	-	147.00	
		1	20.50	$\frac{4.9+7.2}{2}$	-	96.38	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(b) 4th CROSS - Road	1	30.00	$\frac{6.90+5.10}{2}$	=	1780	
		1	30.00	$\frac{5.0+5.0}{2}$	=	150.00	
		1	30.00	$\frac{5.0+5.0}{2}$	=	150.00	
		1	28.00	$\frac{5.0+5.2}{2}$	=	142.80	
						1511 = 1542	
					Add	1507 = 50 m2	
					@	46.44 + 12.20	70,008.00
(7)	Providing and applying of Emulsion on prepared base including cleaning of	primer coat with bitumen surface of granular Roads surface and spray					18391 =

Serial No. .....
Name of Work .....
Name of Contractor of nature of A
Date of commencement of work ...

Date	Full description, etc, of w
1	2
	Primer at the ra... measurement co... of Engineer-i...
(8)	Providing, laying ... concrete 25mm ... HMP produced ... using Crushed a...

...IENT BOOK

Dimensions			Contents	Reference to last Measurement
...ength 4	Breadth 5	Depth 6	7	8
30.00	6.90+5.10/2		= 1780	
30.00	5.0+5.0/2		= 150.00	
30.00	5.0+5.0/2		= 150.00	
28.00	5.0+5.2/2		= 142.80	
			1511 = 15 1/2 m²	
			Total 1507 = 50 1/2 m²	
			@ 46.44 + 12.20	70,008.00
primer coat with bitumen				1879 = 1
surface of granular Road surface and spray				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260949

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Primer at the rate of 0.60 kg/m² using mechanical means complete as per specifications and directions of Engineer-in-charge of work.						
	Qty as per Tr no. (8) = 1507 = 50 1/2 m²					@ 35.21/m²	53079 = 08
(8)	Providing, laying and spreading semi dense bituminous concrete 25mm thick with 100-120 TPH batch type Hmp producing an average output of 75t per hr using crushed aggregate of specified grading, premixed						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	With bituminous binder, at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, Rolling with smooth wheeled vibratory and tandem Roller to achieve the desired compaction as per MORTH Specifications clause no. 500.8 Complete in all respects as per specifications with hot/lw grade bitumen etc Complete as per Specifications and directions of Engineer-in-charge of work.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ...

Date	Full description, etc, of w
1	2
	(a) 6th CROSS-Ro Canara Bank La (b) 4th CROSS-Ro

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
4.5	2.5% of ... and			
... to work site, laying				
...isher with Sensor Control				
... and alignment, Rolling with				
... and tandem Roller to				
...pacing as per MORTH				
...00.8 Complete in all respects				
... follow grade bitumen				
...fications and directions of				
...ork.				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260950

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	(a) 6m CROSS-ROAD				Qty		
	Camber Base layout	1	30.00	$\frac{8.0+5.4}{2}$	0.025	4.88	
		1	30.00	$\frac{5.0+4.9}{2}$	0.025	3.71	
		1	30.00	$\frac{4.9+5.2}{2}$	0.025	3.79	
		1	30.00	$\frac{5.2+4.9}{2}$	0.025	3.79	
		1	30.00	$\frac{4.9+4.9}{2}$	0.025	3.68	
		1	20.50	$\frac{4.9+7.2}{2}$	0.025	2.41	
	(b) 4m CROSS-ROAD (ಬಾ.೨)	1	30.00	$\frac{6.9+5.4}{2}$	0.025	4.46	

Checked.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CTC Mahul M.B. No. 19.	1	30.00	5.075.0/2	0.075	3.75	
		1	30.00	5.075.0/2	0.025	3.75	
		1	28.00	5.075.0/2	0.025	3.57	
					Total	37.784	
					Add	37.694	
					@ 12000/-		452,280.00
	(9) Lead for disposal of debris shall be payable to Carriage rates by mechanical means including loading and unloading etc complete as per specifications						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	and directions
	Certificate
	(1) certified that
	work done
	(2) The contractor

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
30.00	5.075+0 / 2	0.075	3.75	
30.00	5.075+0 / 2	0.025	3.75	
28.00	5.075+0 / 2	0.025	3.57	
		Total	37.784 m³	
		Less	37.694 m³	
		@ 12000/- m³		452,280.00

debris shall be payable
hanical means including
r complete as per specifi

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260951

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	and directions of Engineer-in-charge of work						
	@ as per page 12					① = 266.33 m³	19364.80
						@ 72.71/-	
						Total-B	10,37,958.70

Certificate

① certified that the contractor has work done satisfactorily

② The contractor removed the debris from worksite

Ex. Eng.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Canara Bank Layout						
	7th Cross Road						
	PHE						
	5th main		4th Cross 118.50 mts	5th Cross	6th Cross 170.00 mts		
			5th main Road				

ENT BOOK

Dimensions			Contents	Reference to last Measurement
ength 4	Breadth 5	Depth 6	7	8
118.50 m	4th CROSS	5th CROSS	170.50 m	Asphalty Wm 25mm SDBC
5th main Road				

30/04/16

M.D.C. 30/04/16

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260952

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			1037450=00			I - 10380	
			140524=00			VAT - 41518	
						RD - 57087	
						CUR - 10380	
			897426=00			CGF - 1038	
						Roy - 20121	
						Total - 140524=00	

14/11/16